Lithos, 28 (1992) 457
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 28 1992

Petrology and *P–T–t* evolution of the Southwest Indian Ridge periodites: A case study east of the Melville Fracture zone at 62°E
Y. Bassias and C. Triboulet (Paris, France) 1
Experimental determination of the emplacement pressure of Proterozoic mafic dikes within portions of the East Antarctic Shield
S.M. Kuehner (Hobart, Tasmania, Australia) 21
Chemical exchange in migmatites during cooling
S. Fourcade, H. Martin and J.d.Brémond d'Ars (Rennes, France) 43
The formation of a clinopyroxene corona — Mass balance considerations
A.J. Zingg (Leoben, Austria) 55
$^{40}Ar/^{39}Ar$ mineral ages within metamorphic clasts from the Kuma Group (Eocene), central Shikoku, Japan: Implications for tectonic development of the Sambagawa accretionary prism
A. Takasu (Matsue, Japan) and R.D. Dallmeyer (Athens, GA, USA) 69
Erratum 85

Guide for Authors

Fluorite-bearing Early and Middle Proterozoic granites, Okak Bay area, Labrador: Geochromology, geochemistry and petrogensis
R.F. Emslie and W.D. Loveridge (Ottawa, Ont., Canada) 87
Mixing of cordierite granitoid and pyroxene gabbro, and fractionation, in the Santa Olalla tonalite (Andalucia)
R. Bateman, M.P. Martín and A. Castro (La Rábida Huelva, Spain) 111
Magma fractionation, replenishment, and mixing as inferred from green-core clinopyroxenes in Pliocene basanite, southern Slovakia
G. Dobosi (Budapest, Hungary) and R.V. Fodor (Raleigh, NC, USA) 133
Derivation of some A-type magmas by fractionation of basaltic magma: An example from the Padthaway Ridge, South Australia
S.P. Turner, J.D. Foden (Adelaide, S.A., Australia) and R.S. Morrison (Alice Springs, N.T., Australia) 151

Potassic and ultrapotassic magmas and their origin
S. Foley (Göttingen, Germany) and A. Peccerillo (Messina, Italy) 181
Petrological characterization of the source components of potassic magmas: geochemical and experimental constraints
S. Foley (Göttingen, Germany) 187
Implications of experimental petrology to the evolution of ultrapotassic rocks
A.D. Edgar and D. Vukadinovic (London, Canada) 205
Petrology and geochemistry of potassic and ultrapotassic volcanism in central Italy: petrogenesis and inferences on the evolution of the mantle sources
S. Conticelli (Mainz, Germany) and A. Peccerillo (Messina, Italy) 221
The Dodecanese Province, SE Aegean: A model for tectonic control on potassic magmatism
U. Robert (Paris, France), J. Foden (Adelaide, Australia) and R. Varne (Hobart, Australia) 241
The origin of the potassic rock suite from Batu Tara volcano (East Sunda Arc, Indonesia)
M.J. van Bergen, P.Z. Vroon (Utrecht, Netherlands), J.C. Varekamp (Middletown, CT, USA) and R.P.E. Poorter (Utrecht, Netherlands) 261
Potassic dyke swarm in the Sapucai Graben, eastern Paraguay: petrographical, mineralogical and geochemical outlines
P. Comin-Chiaramonti (Palermo, Italy), A. Cundari (Melbourne, Australia), C.B. Gomes (Sao Paulo, Brazil), E.M. Piccirillo (Trieste, Italy), P. Censi (Palermo, Italy), A. DeMin (Trieste, Italy), G. Bellieni (Padova, Italy), V.F. Velasquez (Sao Paulo, Brazil) and D. Orué (Asunciòn, Paraguay) 283

0024-4937/92/$05.00 © 1992 Elsevier Science Publishers B.V. All rights reserved.

Barium- and LREE-rich, olivine–mica-lamprophyres with affinities to lamproites, Mt. Bundey, Northern Territory, Australia
S. Sheppard and W.R. Taylor (Nedlands, Australia) 303
The petrogenesis of group 2 ultrapotassic kimberlites from Finsch Mine, South Africa
K.J. Fraser and C.J. Hawkesworth (Milton Keynes, England) 327
Phlogopite in the generation of olivine-melilitites from Namaqualand, South Africa and implications for element fractionation processes in the upper mantle
N.W. Rogers, C.J. Hawkesworth (Milton Keynes, UK) and Z.A. Palacz (Santa Cruz, CA, USA) 347
A review of the 2500 Ma span of alkaline-ultramafic, potassic and carbonatitic magmatism in West Greenland
L.M. Larsen (København, Denmark) and D.C. Rex (Leeds, UK) 367
Isotopic characteristics of potassic rocks: evidence for the involvement of subducted sediments in magma genesis
D.R. Nelson (East Perth, Australia) 403
Evidence for low-temperature ultrapotassic siliceous fluids in subduction zone environments from experiments in the system K_2O–MgO–Al_2O_3–SiO_2–H_2O (KMASH)
H.-J. Massonne (Bochum, Germany) 421
Vein-plus-wall-rock melting mechanisms in the lithosphere and the origin of potassic alkaline magmas
S. Foley (Göttingen, Germany) 435

Author index 455